

INFINIUM[®]



EDGE Series

ELECTROSURGICAL GENERATORS

80 . 160 . 200 . 400



EDGE Series

100%

European Engineering

IMPROVING THE LEVEL OF CARE

Infinium strives to create products capable of improving the quality of the work for doctors, during their operations.

Innovating and refining technologies in symbiosis with a functional design, to allow for maximum proficiency. Continuous research is done to achieve the highest possible objectives and we are always ready to collaborate, putting customers first and using all our experience to grow successful together.

PERFORMANCE
USABILITY
DESIGN
RELIABILITY

INFINIUM®



EDGE R80

DERMATOLOGY - VASCULAR SURGERY



The **EDGE R80** is a radiofrequency electrocautery unit suitable for minor monopolar surgery.

The system has a multi-function selector which makes cutting (CUT), cut coagulation (BLEND), coagulation (COAG) and micro-coagulation (MICRO) possible.

The one-board microcontroller and digital display guarantees consistent safety and reliability under any conditions.

SAFETY

EN60601-1
EN60601-1-2
EN60601-2-2
Electrical Class: I CF
MDR 2017/745/UE Class: II b

CONTROLS

Patient/Plate circuit monitoring
Output power monitoring
Self check control

R80

Reference code	10100.081
Maximum output power CUT	80 W – 400 Ω
Maximum output power BLEND	60 W – 400 Ω
Maximum output power COAG	50 W – 400 Ω
Maximum output power MICRO	20 W – 600 Ω
Working frequency	700 kHz
Patient circuit	F
Selectable input voltage	115-230 Vac
Mains frequency	50-60 Hz
Electrical input power	280 VA
Size WxHxD mm	190x85x239
Weight	2,5 Kgs

STANDARD ACCESSORIES:

- Reusable monopolar handle	00206.00
- Assorted electrodes (10 pcs)	00500.00
- Cable for neutral electrode	00404.08
- Steel neutral electrode	5365
- Foot switch	00304.00
- Power supply cable 2 mt	00100.03
- Electrodes and handle support	00202.00



CASUALTY SURGERY • DENTAL
DERMATOLOGY • ENDOSCOPY
FIRST AID • GYNECOLOGY • GASTROENTEROLOGY
NEUROSURGERY • OPHTHALMOLOGY

EDGE 160



The EDGE160 is a high frequency electrosurgical generator suitable for light and medium surgery.

It features pure CUT, BLEND, FORCED COAG (superficial), SOFT COAG (deep) , and with a special adapter allows for BIPOLAR coagulation.

Digital power readings and continuous monitoring of operative functions by the micro-controller guarantees reliable conditions within the surgical field.

The EDGE160 allows for highly professional surgeries thanks to built-in safety features. The connection of neutral electrode is constantly monitored. Safety control of patient/plate contact using split neutral electrode.

The handle control of monopolar output functions as well as the delivery of output power, allows concentration on the surgical field at all times.



OTORHINOLARYNGOLOGY PEDIATRIC SURGERY • PLASTIC SURGERY UROLOGY • VASCULAR SURGERY

EDGE 160

Reference code

Maximum output power CUT

Maximum output power BLEND

Maximum output power FORCED COAG

Maximum output power SOFT COAG

Maximum output power BIPOLAR

Working frequency

Patient circuit

Selectable input voltage

Mains frequency

Electrical input power

Size WxHxD mm

Weight



10100.301

160W-250 Ω

120W-200 Ω

100 W-150 Ω

80 W-100 Ω

60 W-100 Ω

600 KHz

F

115-230 Vac

50-60 Hz

350 VA

254x104x288

5 Kgs



SAFETY

EN60601-1

EN60601-1-2

EN60601-2-2

Electrical Class: I CF

MDR 2017/745/UE Class: II b

CONTROLS

Patient/Plate circuit monitoring

Output power monitoring

Self check control

Possibility of use for minimum invasive surgery
Possibility of use of bipolar forceps
Possibility of use of split neutral electrodes
Planning of the working conditions

Memorization of the last used settings
Activation of the monopolar power with
pedal and/or handle
Digital regulation and indication of the
output power
Adjustment of the volume

STANDARD ACCESSORIES:

- Reusable monopolar handle 00205.00
- Assorted electrodes (10 pcs) 00500.00
- Cable for rod neutral electrode 00404.08
- Rod neutral electrode 5365
- Foot switch 00304.00
- Power supply cable 2 mt 00100.03
- Electrodes and handle support 00202.00



Designed for surgery centers.

EDGE 200

The Infinium EDGE 200 is a high frequency electrosurgical generator ideal for monopolar and bipolar surgery center procedures. The system is engineered to execute minimally invasive surgical procedures with resection, evaporation and coagulation.

The unit features PURE CUT, BLEND, ENHANCED (reduced carbonization), FORCED COAG (superficial), SOFT COAG (deep) and BIPOLAR COAG. The digital power reading and microcontrol of operational functions assures highly reliable conditions within the surgical field.

The EDGE 200 allows for professional surgery thanks to advanced user-friendly and safety solutions. The connection of neutral electrode is constantly monitored. Safety control of patient/plate contact using split neutral electrode. The possibility to control by the handle the output functions as well as the delivery of output power, allows to implement the surgical operation without turning away the surgeon attention from the surgical field.



- Patient to plate contact control
- Split return electrode use allowed
- Minimally invasive surgical treatment allowed
- Monopolar and Bipolar independent output
- Auto Start/Stop in Bipolar Coag

- Working condition storing
- Activation of the monopolar power with pedal and/or handle
- Digital regulation and indication of the output power
- Sound level control
- Planning of the working condition

AMBULATORY SURGERY • DERMATOLOGY
GENERAL SURGERY • GYNECOLOGY • FIRST AID
NEUROSURGERY • OTORHINOLARYNGOLOGY
ORTHOPEDICS • PEDIATRIC SURGERY
PLASTIC SURGERY • PNEUMOLOGY



EDGE 200



Reference code	10100.401
Maximum output power CUT	200W - 250 Ω
Maximum output power ENHANCED	120W - 250 Ω
Maximum output power BLEND	120W - 200 Ω
Maximum output power FORCEDCOAG	150W - 150 Ω
Maximum output power SOFT COAG	90W - 100 Ω
Maximum output power BIPOLARCOAG	80W - 50 Ω
Working frequency	600 kHz
Patient circuit	F
Mains voltage	115-230 Vac
Mains frequency	50-60 Hz
Electrical input power	350 VA
Size WxHxD mm	370x144x319
Weight	6 Kgs

STANDARD ACCESSORIES:

- Reusable handle with switches	00205.00
- Assorted electrodes (10 pcs)	00500.00
- Blade electrode 7 cm (3 pcs)	152-110
- Needle electrode 7 cm (3 pcs)	152-120
- Ball electrode 6 cm (3 pcs)	152-150
- Cable for neutral electrode	00404.08_S
- Steel neutral electrode	5365
- Disposable split neutral electrode (2 pcs)	F7920
- Waterproof foot switch	00304.00
- Power supply cable 5mt	00100.01
- Electrodes and handle support	00202.00

SAFETY

EN60601-1
EN60601-1-2
EN60601-2-2
Electrical Class: I CF
MDR 2017/745/UE Class: II b

CONTROLS

Patient/Plate circuit monitoring
Output power monitoring
Self check control



THORAX SURGERY • TRANS URETHRAL RESECTION
 ENDOSCOPY • GASTROENTEROLOGY
 GENERAL SURGERY • GYNECOLOGY
 NEUROSURGERY • OTORHINOLARYNGOLOGY
 ORTHOPEDICS • PEDIATRIC SURGERY

EDGE 400



TWIN OPERATIVE ACTIVITY

- Two output channels for monopolar cutting
- Two independent setting and output channels for the most frequent monopolar coagulation

CONTROLLED CUTTING PROCEDURES

- Enhanced cutting current for eschar free incision
- Cutting current with selectable coagulating property for bleeding controlled dissection
- Low capacitive coupling by slow BLEND current for endoscopic procedures

TWIN CONTROLLED COAGULATIVE PROCEDURES

- SPEEDY**coagulation and DEEP***coagulation available to two operators
- SPRAY coagulation available by hand switch or foot switch controls

WIDE BIPOLAR FEATURES

- Bipolar cutting current with selectable bleeding control
- Slow BLEND cutting current
- Separately activate automatic Start/Stop coagulation
- Vessel Sealing up to 7mm

SURGEON AND PATIENT TOTAL SAFETY

- Acceptability of contact impedance between patient body and return electrode continuously watched by Skin Plate Electronic Control (SPEC)
- H.F. Leakage currents continuously monitored
- Mains fluctuation automatically compensated to start the delivery of HF power

PERSONALIZED PROCEDURES

- Independent choice of coagulative currents and power levels by each of two operators
- Ten personal configurable and immediately recallable procedures

EXTENSION DRIVER AND INTERLOCK SIGNALS

- Driven output connection to external Argon Plasma unit and Smoke Evacuator unit

AUTOMATIC SELF DIAGNOSIS

- Automatic diagnostic control of the actual complete functionality of the electronic unit and the connected accessories with coded report of failures

*Monopolar CUT mode until 100 Watt.

**SPEEDYcoagulation also said Fulgurate or Forced coagulation

***DEEP coagulation also said Pin Point, Dessicate or Soft coagulation

EDGE 400



Reference code

Maximum output power monopolar pure CUT	10400.902
Maximum output power monopolar cut-coag CUT80%	400 W - 300 Ω
Maximum output power monopolar cut-coag CUT60%	300 W - 300 Ω
Maximum output power monopolar cut-coag CUT40%	250 W - 300 Ω
Maximum output power monopolar cut ENHANCED	200 W - 300 Ω
Maximum output power monopolar cut-coag BLEND	250 W - 500 Ω
Maximum output power monopolar coag SPEEDY	250 W - 300 Ω
Maximum output power monopolar coag DEEP	120W - 500 Ω
Maximum output power monopolar coag SPRAY	120W - 200 Ω
Maximum output power monopolar coag SPRAYARGON	100W - 2000 Ω
Maximum output power bipolar CUT	100W - 2000 Ω
Maximum output power bipolar cut-coag CUT80%	120W - 50 Ω
Maximum output power bipolar cut-coag CUT60%	120W - 50 Ω
Maximum output power bipolar cut-coag CUT40%	120W - 50 Ω
Maximum output power bipolar cut-coag BLEND	100W - 50 Ω
Maximum output power bipolar coag COAG	120W - 150Ω
Maximum output power bipolar coag VESSELS SEALING	120W - 50 Ω
Working frequency Monopolar / Bipolar	200 W - 50 Ω
Patient circuit	425 kHz/ 525 kHz
Selectable input voltage	F
Mains frequency	115- 230 Vac
Electrical input power	50 - 60 Hz
Size WxHxD mm	1000 VA
Weight	470x150x400
	17,5 Kgs

PEDIATRIC SURGERY
PLASTIC SURGERY
PNEUMOLOGY
THORAX SURGERY
TRANS URETHRAL RESECTION
UROLOGY
VASCULAR SURGERY



SAFETY

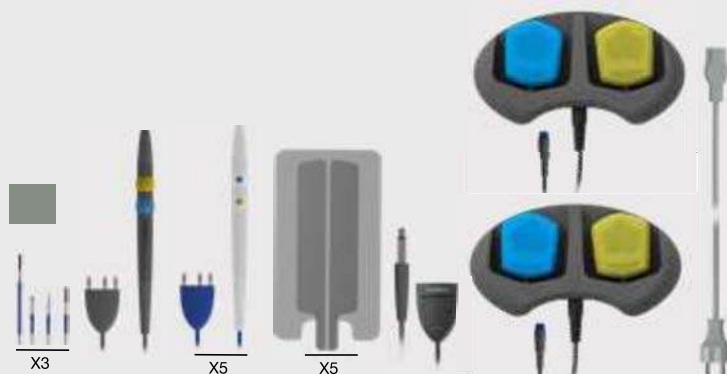
EN60601-1
EN60601-1-2
EN60601-2-2
Electrical Class: I CF
MDR 2017/745/UE Class: II b

CONTROLS

Patient/Plate circuit monitoring
Output power monitoring
Self check control
H.F. Leakage currents control
Compensation of mains fluctuation

STANDARD ACCESSORIES

- Disposable handle with switches (5pcs)	755VL
- Reusable handle with switches	00205.00
- Blade electrode 7 cm (3 pcs)	152-110
- Blade electrode 16 cm (3 pcs)	152-115
- Needle electrode 7 cm (3 pcs)	152-120
- Ball electrode 6 cm (3 pcs)	152-150
- Cable for neutral electrode	00404.08
- Disposable split neutral electrode (5pcs)	F7920
- Electrode cleaning sponge	F7520
- Double water-proof foot-switch (2 pcs)	00305.04
- Power supply cable 5 mt	00100.01



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